

AMENDMENTS

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) An electronic component mounting apparatus, comprising:
a plurality of component feeding units feeding electronic components and aligned on a base;
a mounting head provided with suction nozzles, the mounting head being movable between the component feeding units and a printed board positioning portion, and the suction nozzles picking the electronic components up from the component feeding units;
a recognition camera taking images of component feeding positions of the component feeding units;
a command device commanding the recognition camera to sequentially take images of the component feeding positions of the component feeding units so that the taken images are stored prior to a start of a mounting operation;
a display device displaying each of the images taken by the recognition camera with a graphic image of a component pick-up position;
a position matching device for matching the component feeding positions with the corresponding component pick-up positions by moving the image taken or the graphic image on the display device for visual alignment;
a storage portion storing shift amounts detected by the position matching device; and
a control device controlling alignments of the component pick-up positions with respect to the suction nozzles based on the shift amounts stored in the storage portion,
wherein the command device is configured to have the display device show the stored images successively in response to an action by a user prior to the start of the mounting operation.

2. (Original) The electronic component mounting apparatus of claim 1, wherein the control device selects the component feeding positions of the component feeding units which

feed the electronic components to be mounted on a printed board placed on the printed board positioning portion and makes the recognition camera take images of the selected component feeding positions.

3. (Currently Amended) An electronic component mounting apparatus, comprising:
a plurality of component feeding units feeding electronic components, each of the component feeding units being aligned on a corresponding feeder base;

a mounting head provided with suction nozzles, the mounting head being movable between the component feeding units and a printed board positioning portion, and the suction nozzles picking the electronic components up from the component feeding units;

a recognition camera taking images of component feeding positions of the component feeding units;

a command device commanding the recognition camera to take images of the component feeding positions of the component feeding units in one sequence for each of the feeder bases so that the taken images are stored prior to a start of a mounting operation;

a display device displaying each of the images taken by the recognition camera with a graphic image of a component pick-up position;

a position matching device for matching the component feeding positions with the corresponding component pick-up positions by moving the image taken or the graphic image on the display device for visual alignment;

a storage portion storing shift amounts detected by the position matching device; and

a control device controlling alignments of the component pick-up positions with respect to the suction nozzles based on the shift amounts stored in the storage portion,

wherein the command device is configured to have the display device show the stored images successively in response to an action by a user prior to the start of the mounting operation.

4. (Original) The electronic component mounting apparatus of claim 3, wherein the control device selects the component feeding positions of the component feeding units which

feed the electronic components to be mounted on a printed board placed on the printed board positioning portion and makes the recognition camera take images of the selected component feeding positions.

5. (Original) An electronic component mounting apparatus, comprising:

a plurality of component feeding units feeding electronic components and aligned on a base;

a mounting head provided with suction nozzles, the mounting head being movable between the component feeding units and a printed board positioning portion, and the suction nozzles picking the electronic components up from the component feeding units;

a recognition camera taking images of component feeding positions of the component feeding units;

a command device commanding the recognition camera to sequentially take images of the component feeding positions of the component feeding units;

a display device collectively displaying all the images of the component feeding positions taken by the recognition camera with graphic images of component pick-up positions;

a position matching device for matching the component feeding positions with the corresponding component pick-up positions by moving the image taken or the graphic image on the display device for visual alignment;

a storage portion storing shift amounts detected by the position matching device; and

a control device controlling alignments of the component pick-up positions with respect to the suction nozzles based on the shift amounts stored in the storage portion.